

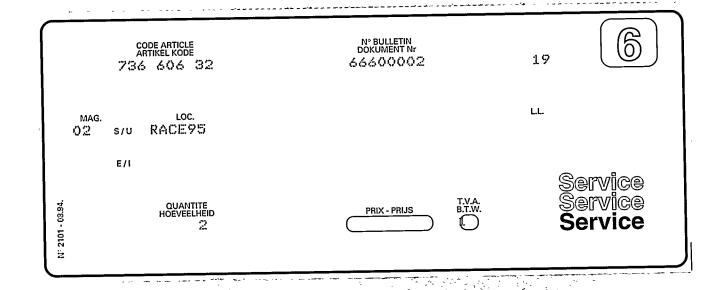
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PHILIPS

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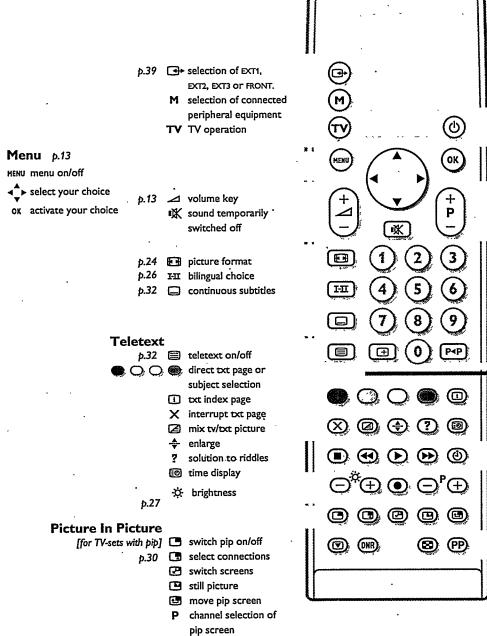
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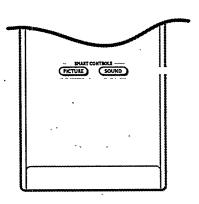
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Your remote control



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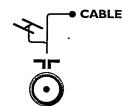
Installation

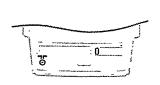
Preparation

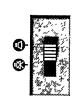
Place the TV on a solid surface.

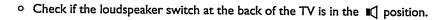
For ventilation, leave a space of at least 5 cm free all around the set. To prevent any fault and unsafe situations, please do not place any objects on top of the set.

Insert the aerial plug tightly into the aerial socket \fill at the back of the TV with an aerial cable of good quality.



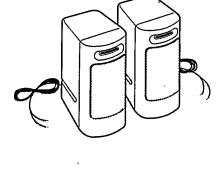


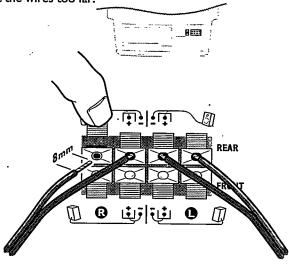




Surround Sound loudspeakers

- Connect the two Surround Sound rear loudspeakers supplied to the connector clips at the back of the TV. Always connect both Surround Sound loudspeakers.
- Connect the left rear loudspeaker at REAR L and the right rear loudspeaker at REAR R at the back of the set.
- Push the connector clip down and insert the end of the wire into the opening: the positive wire (the one with the black line) to the red loudspeaker connection; the negative wire to the black loudspeaker connection. Do not insert the wires too far.





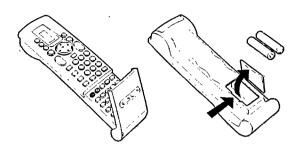
The Surround Sound loudspeakers should always be located behind or to either side of the listener. If preferred you can also hang the loudspeakers on the wall.

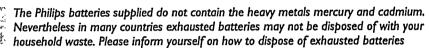
Insert the mains plug in the wall socket with a mains voltage of 220V-240V.

Remote control

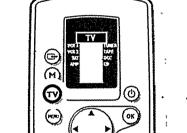
Remove the cover of the battery compartment on the back of the remote control.

Insert the 2 batteries supplied (Type R03G-1,5V). Click the cover back into place.





according to local regulations.



- Press the TV key next to the display.
- ▶ In the display of the remote control the letters TV appear in a black block for a few seconds.

You can now operate your TV with the remote control.

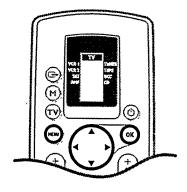
Should your remote control be lost or broken you can still select TV channels, adjust the volume and modify some basic picture and sound adjustments with the keys PROGRAM, VOLUME and LOCAL MENU behind the front door of your TV. See page 19.

Switch TV on

- Press the power switch ① on the front of your set.
- ▶ A green or red lamp lights up on the front of your set.

green ,...... Or red

- ► The TV is switched on. The screen lights up after a few moments.
- ► The TV is switched on but the screen stays dark. Your TV is on standby.
- Press a digit key on the remote control.
- The TV switches on. The screen lights up.
- > The green lamp blinks every time you press a key on the remote control.



MAIN MENU

PICTURE SOUND

FEATURES Programmes

INSTALLATION

INSTALLATION

Menu Language
Country
Automatic Installation
Manual Installation
Give Name
Reshuffle
Favourite Programmes
TY Configuration
Decoder/Descrambler

MENU Language

English

Select the menu language

You can now choose which language the menus are presented in. When you switch on your set for the first time, the MENU LANGUAGE automatically appears on the screen.

See the explanation on your screen. Alternately the explanation automatically appears in the different languages.

If the MENU LANGUAGE menu does NOT automatically appear on the screen, proceed as follows:

- Press MENU on the remote control.
- ▶ The MAIN MENU appears on the screen.
- Keep the key ▼ pressed and select INSTALLATION.
- ► INSTALLATION lights up.
- Press OK.
- ▶ The INSTALLATION menu appears and Menu Language lights up.
- Press OK.
- ▶ The MENU LANGUAGE appears.
- Select the language of your choice with the keys ▲, ▼, ▶ or ◄ and press OK.
- ► The INSTALLATION menu reappears.
 From this point on, all menus are presented in the language of your choice.

Have you pressed the wrong key?
Press **OK** again and make a new choice.

Select Country

- Press the keys ▼ or ▲ to select Country.
- ▶ Country lights up.
- Press OK.
- ► The **country** menu appears.
- Select the country where you are now located with the keys
 ▼, ▲, ◄ or ▶ and press OK.
 Select Other when none of the countries applies.
- ▶ The **INSTALLATION** menu reappears.

Store TV channels

This can be done in two different ways: automatically or manually.

Automatic installation Or

Manual installation

All TV channels are searched for and stored automatically. If connected to a cable system or a TV channel which transmits the correct information a programme number and a name is attributed automatically as well and filled in in the programme list. If you wish the order of programme numbers and names of stored TV channels can be modified afterwards.

With manual installation it is possible to select whether TV channels are searched for by frequency or channel number.

Follow very closely and step by step the instructions of the Manual Installation procedure.

You must go through every step.

Go on to page 7.

Follow very closely and step by step the instructions of the Automatic Installation.

SALIVION

Menu Language Country Automatic Installation Manual Installation Give Name Reshoffle Pavourite Programmes -TV Configuration Decoder/Descrambler



Autometic Installation

Searching

Automatic installation

- Select Automatic Installation with the keys ▲ or ▼ and press OK.
- The menu **AUTOMATIC INSTALLATION** appears.
- Press OK again.
- Press the keys or ▶ to select On. *
- The message Searching appears as the TV searches for all the channels available in your area.

The automatic installation can be interrupted by pressing the MENU key.

- ▶ Every time a TV channel is found it is automatically placed under the next free programme number in the programme list.
- The message Ready appears on the screen when the automatic installation is complete. The programmes are stored in the programme list after the message has disappeared.

If a cable system or a TV channel transmitting a teletext page with the frequencies and programme names of all the TV channels which can be received, is detected, the search is stopped and a programme list appears. The programme list is automatically filled with all the programme numbers and names of the TV channels transmitted.

It is possible that the cable company or the TV channel displays a broadcast selection menu. Layout and items are defined by the cable company or the TV channel. Make your choice of the presented possibilities with the keys ▼ or ▲ and press OK.

- Press MENU.
- The INSTALLATION menu reappears.

Go on to page 9.

11 2 12 3 13 4 Selection Mode ANUAL System INSTALLATION Search Programme No. Store

Manual installation

- Select Manual Installation with the keys ▲ or ▼ and press OK.
- ▶ The MANUAL INSTALLATION menu appears. In the left upper corner of the screen a programme number, a system, a frequency or possibly a channel number are displayed.
- ▶ Selection Mode is only present and lights up if the country you selected in the COUNTRY menu also offers the channel option. In this case you can choose either channel or frequency mode.
- o Press the keys or ► to select frequency, C-channels (aerial channels) or S-channels (broadcast by a cable company).



Select the TV system

Television pictures are not broadcast in the same way in all countries. We speak of different television systems (PAL, SECAM, BGDKL, NTSC,...).

Select System with the keys ▲ or ▼.

You have your own aerial.................. Or You are connected to a cable system

 Select the country or part of the world from where you want to receive the TV channel with the keys \triangleright or \triangleleft .

 Select the country or part of the world where you are now located.

Go on to 2.



Search for a TV channel

- Select Search with the keys ▲ or ▼and press OK.
- ▶ The TV searches for a channel.
- The frequency or the channel number increases until a TV channel is found. Dependent on the choice you made in the selection mode the searching stops at a frequency or at a channel number.
- ▶ In the bar, which may appear briefly at the bottom of the screen, the broadcaster may transmit its programme name or another message.
- The menu MANUAL INSTALLATION disappears temporarily.

Is the reception poor?

You may be able to improve the reception of picture and sound of a TV channel by adjusting the frequency with the ${\bf P}$ - or + key on the remote control. The frequency is adjusted in the block shown in the upper left corner of the screen.

Go on to 3 if you want to store the channel that has been found.

Do you want a different channel ?

Press OK again to restart the search.

No channel found?

Interrupt the search by pressing the keys \blacktriangle or \blacktriangledown or the MENU key. Check that you have selected the correct TV system or that the aerial is connected properly. See Tips p. 42.

Direct selection of a TV channel

If you know the frequency, or the C- or S-channel number, it can be entered directly with the digit keys on the remote control and in this way call up the TV channel.

Ask for a list from your cable company or dealer, alternatively consult the Table of frequencies on the inside backcover of this handbook.

- Select Search with the keys ▲ or ▼.
- Enter the 3 digits of the desired frequency or the 2 digits in case of C-or S-channels.
- For frequencies under 100 MHz, first enter a 0. For example: 063.
- The frequency is automatically finetuned.
- Have you entered a wrong number? First complete the frequency or the channel number with arbitrary numbers and then 🖫 start again.

Go on to 3.



Enter the programme number

Now assign a number of your choice to the TV channel you have located. In this way you decide the order of all your TV channels.

- Select Programme Number with the keys ▲ or ▼.
- Select with the keys ◀ or ▶ or with the digit keys the desired programme number.

Go on to 4.



Store steps 1 to 3

Now the steps 1 to 3 must be stored in the memory.

- Select Store with the keys ▲ or ▼ and press OK.
- ▶ Stored appears briefly at the bottom of the screen.
- The programme number and probably the programme name are stored in the programme list after the message has disappeared.

repeat

If you want to store another TV channel.

Repeat to 4.

If you are connected to a cable system.

Begin immediately with 2. You have already selected the TV system in for all channels.



end

If you have finished storing TV channels.

- Press MENU.
- ▶ The INSTALLATION MENU reappears.

Zistafferi.

Enter or modify a programme name

It is possible to change the name stored in the memory or to assign a name to a TV channel which has not yet been entered. A name with a maximum of 5 letters or numbers can be given to the programme numbers 0 to 99. For example SUPER, BBC1,...

Between 99 and 0, you can also name any peripherals that are connected.

- Select Give Name with the keys ▲ or ▼ and press OK.
- ► The GIVE NAME menu appears.
- Select the TV channel to be modified or assigned a name with the keys ▲, ▼,
 ▶ or ◄ and press OK.
- A block appears on the first position of the name.
- Select with the keys ▶ or ◀ the position of the letter or number you want to change or to enter.
- Select with the keys ▲ or ▼ the letter or number you want to enter or to correct. A space, numbers or other special characters are located between Z and A.
- Did you fill in a wrong letter or number?
- Select with the keys \triangleright or \triangleleft the position of the letter or number you want to modify.
- ∴ Select with the keys ▲ or ▼ the correct letter or number.

When the complete name is filled in.

- Press OK.
- Select another TV channel to be modified or assigned a name with the keys
 ▲, ▼, ▶ or ◀ and press OK.
- Repeat as described above.

When you have finished entering or modifying programme names.

- Press MENU.
- ▶ The INSTALLATION menu reappears.

Reshuffle the programme list

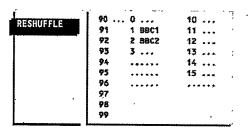
According to your preference you can change the order of the stored TV channels.

When you are satisfied with the order of the programme list, go to page 10.

- Select Reshuffle with the keys ▲ or ▼ and press OK.
- ▶ The menu RESHUFFLE appears.
- Select the TV channel you want to change the programme number of with the keys ▲, ▼, ◄ or ▶ and press OK.
- The programme number and the name of the TV channel appear in a black block.
- Use the keys ▲, ▼, ▶ or
 to move to the number where you want to locate the TV channel.
- o Press OK.
- ► The TV channel moves to the selected programme number. The TV channel which was located on that position automatically moves to the programme number of the TV channel you have modified.
- Repeat this for all the other TV channels you want to swap.

When all the TV channels are allocated as you like.

- o Press MENU.
- ► The INSTALLATION menu appears again.



EXT1

EXT2

EXT3

FRONT

1 8801

2 BBC2

GIVE NAME

FAVOURITE PROGRAMMES

	•	
EXTI	0	10
EXT2	1	11
EXT3	2	. 12:
FRONT	3	13"
	4	14
	.5 ***	% (15)
, `,	****	* *****
	nme Numb	er ·
Favour	ite `	*

Select Favourite TV channels

During the installation all the stored TV channels have automatically been placed into the favourite list.

This will make selection of only your favourite TV channels a lot easier and faster.

In the Favourite Programmes menu you can indicate for each TV channel if you want to keep that TV channel as a favourite.

You can also do this for a programme number reserved for the programmes you receive from your decoder.

After leaving the installation you can quickly run through the TV channels by pressing the $\bf P$ - or +. Only those TV channels which are in the favourite list will be displayed. The non-favourite TV channels can still be selected with the digit keys.

- Select Favourite Programmes with the keys ▲ or ▼ and press OK.
- ▶ The FAVOURITE PROGRAMMES menu appears.
- ▶ Programme Number lights up.
- o Select the programme number of a TV channel with the digit keys.
- Select Favourite with the keys ▲ or ▼.
- Press the keys ➤ or ◄ to select Yes or No.
 In this way you decide whether you want to keep the selected TV channel as a favourite TV channel or not.
 - Repeat this for every TV channel you like to change into a favourite or a non-favourite TV channel.
- Press MENU again if you have finished selecting TV channels in the favourite list.
- ▶ The INSTALLATION menu reappears.

Install TV Configuration

Different options can be selected depending on the different peripheral equipment you may have connected to your TV.

- · Select TV Configuration with the keys ▲ or ▼ and press OK.
- ▶ The TV CONFIG. menu appears and Audio Output lights up.

Audio Output

If you have audio equipment or another external sound source connected to your TV, you can select two types of audio output.

 Select Variable with the keys ▶ or ◄ if you want to adjust the volume of your audio equipment via the TV.

Select **Constant** if you want to adjust the volume with the volume control of your audio equipment.

Ext2 Output

See Record with your video recorder, p. 40.

CD-i/Photo CD

See Connect Peripheral Equipment, TV and a CD-i/Photo CD, p. 36.

Audio Output

Exi2 Output

CD-1/Photo CD

Surpound Mode

Ext. Amplifier

Information Line

TV CONFIG.

Audio Output Ext2 Output CD-i/Photo CB Surround Mode Centre Mode Ext. Amplifier Information Line The following items deal with the installation of the Dolby Surround Sound possibilities.

- Select with the keys ▲ or ▼ the desired menu possibility.
- Select with the keys

 or

 the desired menu adjustment.

Surround Mode Loudspeakers active ? Front TV L & R Centre Ext. Front TV Rear **Amplifier** L&R **Pro Logic** (T/L) W CO (with Pro Logic Phantom Yes No Yes broadcasting) Wide Yes Yes Yes Dolby 3 Stereo Gee (ME No (with stereo Phantom Yes No No broadcasting) Wide Yes Yes Nο Hall Norme F CNO (7æ (with mono Phantom Yes No Yes broadcasting) Wide Yes No Yes (to select in Surr. mode Pro Logic or Dolby 3 Stereo) Off Normal Yes No No Phantom Yes No Nο Wide Yes No No (to select in Surr. mode Pro Logic or Dolby 3 Stereo)

TV CONFIG.

Audio Output Ext2 Output CD-i/Photo CD Surround Mode Centre Mode Ext. Amplifier Information Line

External amplifier

You have connected an audio amplifier to AUDIO L and R at the back of your TV. See Connect Peripheral Equipment, Audio equipment, p. 36.

Select

- Surround Mode: Pro Logic or Dolby 3 Stereo
- Centre Mode : Normal or Wide
- Ext. Amplifier: Yes

Information Line

- Select Information Line with the keys ▲ or ▼ and press OK.
- ▶ After the selection of a TV channel or after pressing the key 🛨 on the remote control, a TV channel which broadcasts teletext may transmit the name of the TV channel or the programme name or another message which appears briefly in the information line at the bottom of the screen.
- ▶ The information line will only appear after pressing the key → on the remote control, see p. 26, and not after the selection of a TV channel.
- Press MENU.
- ▶ The INSTALLATION menu reappears.

Define Decoder/Descrambler prog. numbers

If you have connected a decoder or a descrambler, see p. 38, you can define one or more programme numbers as decoder programme numbers.

- Select Decoder/Descrambler with the keys ▲ or ▼ and press OK.
- ▶ The DECODER/DESCRAMBLER menu appears.
- o Select Programme with the keys \blacktriangle or \blacktriangledown .
- ▶ Programme lights up.
- Select the programme number under which you have stored the programme coming from your decoder with the digit keys.
- Select Decoder Status with the keys ▲ or ▼.
- ▶ Decoder Status lights up.

as a decoder programme number.

Press the keys ➤ or ◄ to select Off, EXT1 or EXT2, the euroconnector where
you connected your decoder.
 Select Off if you do not want the selected programme number being activated

Fast exit from the menus

• Keep the MENU key pressed to switch off all menus.

Programme Decoder Status

OKYE.

Operation

To be operational with the remote control your TV should be in the TV operation position.

If this is not the case, first press the **TV** key left of the display. The letters **TV** in the display of the remote control appear in a black block for a few seconds.

Every time you press a key on the remote control, a green lamp on the front of your TV set blinks.

Switch TV on

- Press ① on the front of your TV.
- ▶ A green lamp lights up and the programme appears.
- ▶ Does a red lamp light up? Your TV is on standby. Read on.

Switch to standby

- $^{\circ}$ Press the red standby key $^{\bullet}$ at the top of the remote control to switch the TV off temporarily.
- ▶ A red lamp on the TV lights up.
- Press the digit keys or P or + in order to switch the TV on again.
 If for a period of 10 minutes no aerial signal is received, then your set automatically switches to standby.

Your TV consumes energy in the standby mode. Energy consumption contributes to air and water pollution. We advise to switch off your TV overnight instead of leaving it on standby. You save energy and the picture tube is demagnetised which maintains good picture quality.

Select TV channels

- Select the TV channel with the digit keys or with the key P or + on the remote control.
- o For a two digit programme number, enter the second digit within 2 seconds.
 - Quickly run through the TV channels from the Favourite list.
- Press the P or + key repeatedly.

Adjust the volume

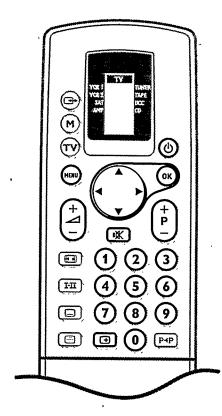
If you want to store the volume adjustment in the memory, see the Features menu, General PP Store, p. 20, to store the same volume adjustment for all the stored TV channels.

Temporarily interrupt the sound

- o Press ■X.
- ▶ The sound is temporarily interrupted.
- o Press K again to get the sound back.

Switch menus on and off

- Press MENU on the remote control.
- ▶ The MAIN MENU appears.
- Use the keys ▲ and ▼ to make a selection of the Main Menu items.
- ▶ Your selection lights up.
- Press the OK key on the remote control to activate the selected menu.
- Press MENU again to return to the previous menu.
- Keep the MENU key pressed to switch off all menus.



■ Sound Muted

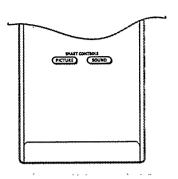
Main Menu

Select the picture settings

During manufacture four types of picture setting have been pre-defined. You can choose between these four different settings with the PICTURE key of the smart controls on the door of the remote control.

- Press the Smart Controls' key PICTURE repeatedly to select: Soft, Natural, Rich or Personal.
- ▶ The picture setting possibilities are displayed briefly on top of the screen. The picture settings correspond with a specific predefined setting of Contrast, Colour, Sharpness and Dynamic Contrast.

Personal refers to the personal preference settings of contrast, colour, sharpness and dynamic contrast you can adjust in the PICTURE menu and store with General PP store in the FEATURES menu.



MAÍN MENU

PICTURE

SOUND

FEATURES

PROGRAMMES

INSTALLATION



Contrast
Brightness
Colour
Sharpness
Tint
Digital options
Dynamic Contrast

Adjust picture settings

- o Press MENU on the remote control.
- ▶ The MAIN MENU appears and PICTURE lights up.
- o Press OK.
- ▶ The PICTURE menu appears.
- o Select with the keys ▲ and ▼ the adjustments of Contrast, Brightness, Colour, Sharpness, Tint, Digital options and Dynamic Contrast you want to change.

When you are watching a TV channel in the NTSC-system, the option **Hue** also appears and can be adjusted in the **PICTURE** menu.

- ► The PICTURE menu disappears and only the selected menu item remains (including its bar) on the screen.
- ► The PICTURE menu reappears after a few moments or by pressing OK.
 Now you can select another adjustment with the keys and .
- ▶ The picture setting in the Smart Controls for PICTURE is set to Manual until the modified adjustments are stored.

Sharpness

The selected setting for Sharpness is stored only for the selected TV channel after the indication disappeared.

You can adjust the sharpness for each TV channel separately.

FEATURES

Steeptimer Child Lock General PP store Message Timers Recording Source If you want to store the modified adjustments for Contrast, Brightness, Colour, Tint and Dynamic Contrast for all TV channels.

- Press MENU.
- ▶ The MAIN MENU reappears.
- Select FEATURES with the keys ▲ or ▼ and press OK.
- ▶ The **FEATURES** menu appears.
- Select General PP store with the keys ▲ or ▼ and press OK.
- ▶ The message **Stored** appears briefly on the bottom of the screen.
- ▶ You have created and stored a new Personal picture setting.

Tint

- Press OK.
- ▶ The PICTURE menu reappears.

Digital Options

- Press the keys

 or

 to select 100 Hz, Dig. Scan or Natural Motion.
 - 100 Hz = 100 Hz only (Field flicker reduction)
 - Dig. Scan = 100 Hz + Dig. Scan (Field and line flicker reduction)
 - Natural Motion = 100 Hz + Dig. Scan + Natural Motion (Field and line flicker reduction and smooth movement reproduction)

Although Natural Motion is the most ideal setting, it may be preferred to switch back to Digital Scan and/or 100 Hz.

► The PICTURE menu reappears.

Dynamic Contrast

- Press the keys

 or

 repeatedly to select Off, Min, Med or Max and press
 OK.
- ► The PICTURE menu reappears. To make the contrast between darker and brighter picture parts more outspoken, it is preferred to select Med or Max. In certain circumstances it may be preferred to select Min or Off.
- o Press MENU.
- ▶ The MAIN MENU reappears.
- Press MENU again to switch off the MAIN MENU.

Select the sound settings

During manufacture 6 types of sound style have been pre-defined. You can choose between these six different styles with the **SOUND** key of the smart controls on the door of the remote control.

- Press the Smart Controls' key SOUND repeatedly to select: In concert,
 Classic, Jazz, Pop, Stadium or Personal.
- ► The sound styles are displayed briefly on the top of the screen. Each sound style corresponds with a specific predefined setting of the graphic equalizer.

Personal refers to the personal preference settings of volume, balance, treble and bass you can adjust in the sound menu and store with **General PP store** in the **FEATURES** menu.

Adjust sound settings

- Press MENU on the remote control.
- ▶ The MAIN MENU appears.
- Select SOUND with the keys ▲ or ▼ and press OK.
- ▶ The SOUND menu appears.
- Select with the keys ▲ or ▼ the adjustments of Volume and Balance.
- o Press the keys

 ✓ or

 to change the selected adjustment.
- Select Graphic Equalizer with the keys ▲ or ▼ and press OK.
- ▶ The GRAPHIC EQUALIZER menu appears.
- o Press the keys \blacktriangle or \blacktriangledown to adjust the settings.
 - The sound style is set to Manual until the modified adjustments of the graphic equalizer are stored.

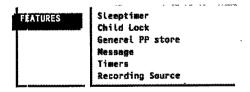
Select the sound styles with the sound menu

This menu item has the same function as the Smart Controls key **Sound** on the remote control as mentioned above.

- Select Sound Style in the menu SOUND with the keys ▲ or ▼.
- Press the keys

 or

 to select the preferred sound style: In concert,
 Classic, Jazz, Pop, Stadium or Personal.



If you want to store the modified adjustments for all the TV channels.

- Select Features in the Main Menu with the keys ▲ or ▼ and press OK.
- ▶ The FEATURES menu appears.
- Select General PP Store with the keys ▲ or ▼ and press OK.
- ▶ The message **Stored** appears briefly on the bottom of the screen.
- ➤ You have created and stored a new Personal sound style.

SOUND

GRAPHIC

EQUALIZER

Volume Balance

Loudness Speech

Spatial

Headphone

Graphic Equalizer Sound Style Sound Mode

Dolby Pro Logic Install

Treble

Select the sound mode

Depending on the sound the TV channel transmits and if your set is equipped with Nicam, your TV will choose between stereo or digital sound unless you make a sound choice.

In case of weak stereo or digital sound signals, due to the transmission, select analogue or mono.

- Select Sound Mode in the menu SOUND with the keys ▲ or ▼.
- Press the keys

 or

 to select the preferred sound mode:
 - . Stereo or $\boldsymbol{\mathsf{Mono}}$ if the channel transmits stereo sound
 - . Digital or Analogue if the TV channel transmits digital sound.

Switch Loudness on or off

When **Loudness On** is selected, the low and high frequencies are amplified so that the natural balance is restored when listening to low volume sound.

Select Speech

When **Speech On** is selected, the treble settings are enhanced and the bass settings are suppressed.

Select Spatial sound

When **Spatial On** is selected, it seems as though the loudspeakers are spread further apart from one another.

You get a spatial sound effect.

Headphone selection

See Connect Peripheral Equipment, p. 37 for the connection of your headphone if you want to use it.

- Select Headphone with the keys ▼ or ▲ and press OK.
- ▶ The HEADPHONE menu appears.
- First select Source with the keys ▼ or ▲.
- ➢ Source lights up.
- Press the keys

 or

 to select the source you want to listen to with your headphone: Automatic, TV, EXT1, EXT2, EXT3 or FRONT.
- Select Automatic if you want to listen to the sound of the picture you are watching on the screen.

Exception: if you are watching a programme from an external source in the pip picture, you will hear this sound through your headphone.

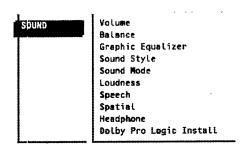
- Select TV when you want to listen to the sound of a TV channel via your TV tuner and watch a programme via your video recorder or other peripheral.
 E.g. you can watch a film from your video recorder, but listen to the commentary of a broadcasted football match.
- In all other cases select the source where you connected your equipment.
 The equipment should be switched on, but you don't need to watch it.
- Select with the keys ▼ or ▲ the adjustments Volume or Balance.
- ▶ The selected adjustment lights up.
- Press the keys

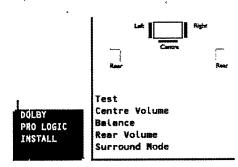
 or

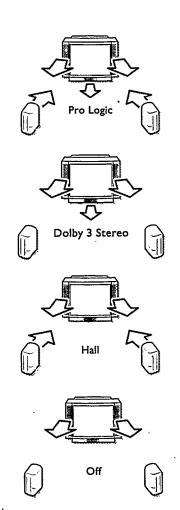
 to regulate the selected adjustment.
- Press MENU.
- ► The **sound** menu reappears.

HEADPHONE

Volume Balance Source







Dolby* Pro Logic Install

- Select Dolby Pro Logic Install with the keys ▼ or ▲ and press OK.
- The DOLBY PRO LOGIC INSTALL menu appears and Test lights up.

Most programmes will sound good with the volume balance between the centre, left and right and rear loudspeakers in an equally loud position. However, some programmes may benefit from an adjustment of the level of the respective speakers.

Which loudspeakers are active depends on the selection you have made in the TV-Configuration menu, p. 10.

- Select Surround Mode with the keys ▼ or ▲.
- Select Test again with the keys ▼ or ▲.
- Press the keys

 or

 to switch Test on.
- ➤ A steady noise tone is switched sequentially through the left, centre, right and rear loudspeakers, for 2 seconds each. This enables you to adjust the volume of the separate loudspeakers.

The loudspeakers activated light up in the on screen graphic.

- Select with the keys ▼ or ▲ Centre Volume, Balance or Rear Volume.
- ▶ The selected adjustment lights up.
- Press the keys

 or

 to alter the selected adjustment.
- Select Test again with the keys ▼ or ▲.
- Press the keys

 or

 to switch Test off again.

Surround mode

- Select Surround Mode with the keys ▼ or ▲.
- ▶ Surround Mode lights up.
- Press the keys

 or

 to select the preferred surround mode: Pro Logic,
 Dolby 3 Stereo, Hall or Off.

Pro Logic

▶ In addition to the left and right front speakers, the centre and the rear surround loudspeakers reproduce the Dolby Surround Pro Logic sounds. This 4-channel sound is always recorded when the movie or programme is marked with DO Dolby Surround.

This mode is especially recommended for such programmes or movies.

Dolby 3 Stereo

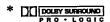
- ➤ The Dolby 3 Stereo sound signal is now distributed over the front left, the front right and the centre loudspeakers.
- ▶ The rear loudspeakers do not produce any signal.

Hall

- ▶ The centre sound signal is distributed over the rear loudspeakers which creates a hall effect from the rear.
- The centre loudspeaker does not produce any signal.
 This mode is recommended when you wish to add surround sound to a non Dolby Surround broadcast.

Off

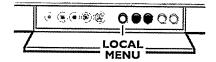
- This mode reproduces only the left and right front sound signals. You only hear a stereo sound if the broadcast which you are watching or listening to is transmitted in stereo or digital sound.
- Press MENU twice.
- → The MAIN MENU reappears.



"Dolby" "Pro Logic" and the double-D symbol DC are trademarks of Dolby Laboratories Licensing Corporation.

Manufactured under license from Dolby Laboratories Licensing Corporation.





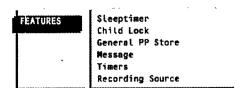
Adjust the basic picture and sound settings with the Local Menu key

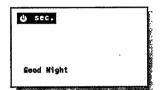
Should your remote control be lost or broken you can still change some of the basic picture and sound settings.

- Press the LOCAL MENU key behind the door at the front of the TV.
- ▶ The adjustment **Volume**, including a bar, appears on the screen.
- Press the key V or + behind the door at the front of the TV, to adjust the volume.
- Press the LOCAL MENU key again or repeatedly to select a following adjustment.
- The adjustments Volume, Brightness, Colour or Contrast, appear on the screen.
- Press the key V or + at the front of the TV to regulate the selected adjustment.
- Press the LOCAL MENU key again after you selected the last adjustment.
- ▶ The local menu adjustments disappear.

The Local Menu automatically switches off when after 10 sec. no action has been executed.

Features





- Select FEATURES in the MAIN MENU with the keys ▼ or ▲ and press OK.
- ▶ The FEATURES menu appears.
- Use the keys ▼ and ▲ to make your selection in the FEATURES menu.
- ➤ Your selection lights up.

Sleeptimer

With the aid of the sleeptimer you can set a time period after which the TV should switch itself off to standby.

- Hold the ▶ key pressed down.
- ▶ The counter runs from Off up to 180 min.
- ▶ The counter runs from 180 min. down to Off. If you have set a time, then one minute before the TV switches off the remaining minute automatically appears on the screen together with the message Good Night. You can always switch off your set earlier or change the set time.

Child Lock

If the child lock is on, the TV can only be switched on with the remote control. The keys **P** - and + behind the door on the TV cannot be used. In this way you can prevent unauthorised use of your TV.

If the message Child Lock ON appears, the child lock must be switched off before you can use the keys P - and + on the TV.

General PP Store

- Select General PP Store with the keys ▼ or ▲.
- o Press OK.
- ▶ General PP Store lights up and the message Stored appears briefly on the bottom of the screen.
- ➤ The adjustments of contrast, brightness, colour and dynamic contrast made in the picture menu and the adjustments of volume, balance and equalizer made in the sound menu are stored in memory for all the stored TV channels.

(E) STOJENS

	Message	•	* *	•	•	*	•	•	•	*	* *	•	•	*	*
MESSAGE	Change Clear														
	Type														

Run

Message

With this function you can enter a personal message which will be displayed automatically when the set is switched on from standby.

E.g. I'll be late this evening. Don't wait for dinner.

- Select Message with the keys ▼ or ▲.
- Press OK.
- ▶ The MESSAGE menu appears and consists of a message part and a selection menu.
- Select Change with the keys ▲ or ▼ and press OK.
- A block appears on the first position of the first message line.
- Select with the ▲ or ▼ keys the letter or number you want to enter.
- Select with the ▶ key the next position.
- Enter the letters or numbers.
 - You can enter text on 2 lines of 27 characters each.

Did you fill in a wrong letter or number?

- Select with the

 or

 keys the position of the letter or number you want to modify.
- \circ Select with the \blacktriangle or \blacktriangledown keys the correct letter or number.
- Press **OK** when you have entered the complete message.
- Press the ▲ or ▼ keys to make a different selection in the message menu.

Remove message

- Select Clear and press OK to remove a previous message.
- ▶ The previous message is removed.

Message type

- Select Type.
- ▶ Type lights up.
- Press the keys

 or

 to select the way the message to be displayed: Wipe,
 Slide, Fall or Fade.

Run message

- Select Run.
- Run lights up.
- Press the keys

 or

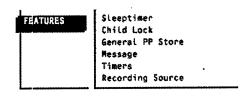
 to select the displaying frequency: Continuous, Once or No.

Display message

- Switch the TV to standby.
- The message appears on the screen the moment the TV is switched on again. When you selected Once, the message will disappear from the screen after 30 seconds.

When you selected **Continuous**, the message will appear on the screen continuously until the TV is switched off with the power key ① on the front of the TV.

The message does NOT appear when Continuous Subtitles have been switched On and is displayed on the bottom of the screen. See Teletext, p. 34.

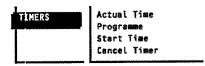


Timers

With the Timers menu you can make your TV automatically switch to a specific programme number from standby or switch over to a different programme number at a specific time.

- Select Timers with the keys ▼ or ▲ in the FEATURES menu and press OK.
- ➤ The TIMERS menu appears and Actual Time lights up.

Actual time



On prog. no 1 or under the lowest favourite programme number you have installed a TV channel which also broadcasts teletext. See Teletext, p. 32.

- ➤ The time is downloaded from that TV channel.
- In case you want to enter another time use the digit keys.
- ➤ The time entered manually is updated every minute and remains until the TV set is switched off with the power key ①.

Or On prog. no 1 or under the lowest favourite programme number you have installed a TV channel which does NOT broadcast teletext. See Teletext, p. 32.

- The time is set to --:- and should be set manually.
- · Enter the actual time with the digit keys.
- ➤ The displayed time is updated every minute and remains until the TV set is switched off with the power key ①.

If you filled in an incorrect digit.

• First complete the actual time with arbitrary numbers and then start again.

Programme

- Select Programme with the keys ▼ or ▲.
- ▶ Programme lights up.
- o Enter with the digit keys the programme number of the TV channel you want your TV to switch over to.

Have you entered a wrong number?

Enter the right digit(s) again.

Start time

- Select Start Time with the keys ▼ or ▲.
- ▶ Start Time lights up.
- Enter with the digit keys the start time of the selected TV programme you want your TV to switch over to.
- ▶ At the programmed time your TV will switch over from standby to the selected programme number.
- ▶ The start time is reset to --:--.
- Or At the programmed time your TV will switch over to the selected programme number when you are watching another TV channel.
 - ➤ The start time is reset to --:--.

Cancel timer

- Select Cancel Timer with the keys ▼ or ▲ and press OK.
- Cancel Timer lights up and the Start Time is reset to --:-.
- Press MENU.
- ▶ The FEATURES menu reappears.

Recording Source

See Peripheral Equipment, Recording with your video recorder, p. 40.

Select Programme list

MAIN MENU PICTURE SOUND **FEATURES** PROGRAMMES

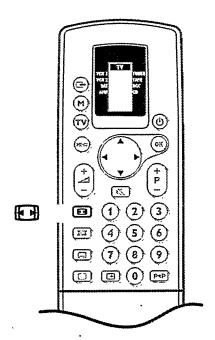
INSTALLATION

Select PROGRAMMES with the keys ▼ or ▲ in the MAIN MENU and press OK.

▶ A page with an overview of stored TV channels, together with the names you entered for the connected peripheral equipment appears. Programme numbers from the favourite list are displayed in white characters. Programme numbers which are not in the favourite list are displayed in black characters.

The current TV channel on the screen is indicated with a black block.

- o Press the keys \blacktriangledown or \blacktriangle to select a TV channel within the column.
- o Press OK to select the desired TV channel.
- o Press MENU twice.
- ▶ The MAIN MENU disappears.



Other functions

Picture format

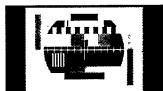
- Press repeatedly to select a picture format :
 - a conventional 4:3 picture format
 - an expanded 14:9 picture format
 - a full expanded 16:9 (I) and (II) picture format
 - a super wide picture format
 - a wide screen picture format.
- ► The information 4:3, MOVIE EXPAND 14:9, MOVIE EXPAND 16:9 (I), MOVIE EXPAND 16:9 (II), SUPER WIDE OF WIDE SCREEN appears briefly on the screen according to the selected picture format.

. Selected Picture format

4:3 transmission

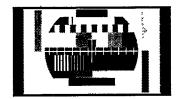
16:9 transmission (letterbox)

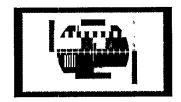




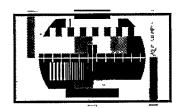


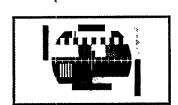
MOVIE EXPAND 14:9



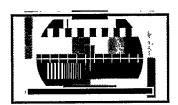


MOVIE EXPAND 16:9 (I)





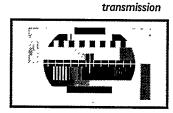
MOVIE EXPAND 16:9 (II)





Selected Picture format

SUPER WIDE

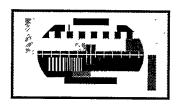


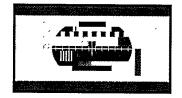
4:3

16:9 transmission (letterbox)



WIDE SCREEN



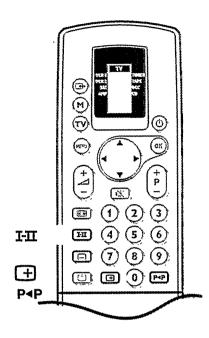


Making subtitles visible

When you are in Movie Expand 14:9 or 16:9 picture format you can manipulate your picture with the keys \blacktriangle or \blacktriangledown .

- \circ Press the key \blacktriangle to scroll up the picture to make subtitles visible.
- Press the key ▼ to scroll down the picture.

Picture up/down is not applicable with super wide and wide screen picture format.



Bilingual broadcast

- o Press the key I-II repeatedly to select language I or II, when the TV channel broadcasts in 2 languages, dubbed or original language (e.g. Eurosport) or to select analogue or digital when your set is equipped with Nicam and the TV channel broadcasts in digital sound.
- ▶ Dual I or II appears briefly on the screen. The setting is stored in the memory for the selected TV channel when switching to another TV channel or to standby. You can select Dual for each TV channel separately.

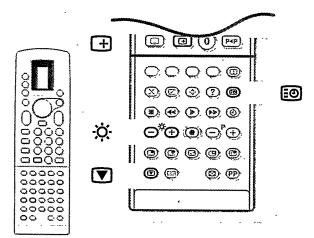
Information on screen

After the selection of a TV channel or a programme from a peripheral or after pressing the key 🛨 the following information may appear briefly or continuously on your screen :

- the programme number and name of the selected TV channel
- information from the broadcaster in a bar at the bottom of the screen (e.g. the name of the TV channel, the programme title or another message)
- Digital Sound available if the TV channel transmits digital sound and if your set is equipped with Nicam
- the currently selected sound mode if the TV channel transmits stereo or digital sound (not with a programme from a peripheral or coming from a decoder)
- IX Sound muted when the sound is temporarily interrupted
- the name of the pip connection if PiP is switched on (for sets with the PiPoption). See Pip, Picture in Picture, p. 30
- Dual I or II in case of bilingual broadcast
- the Ext2 Output selected in the TV Configuration menu (see p. 10)
- the selected DNR setting (see p. 28).

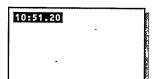
Select previous programme

- Press the P∢P key.
- ▶ The previously selected TV channel is displayed.



Permanent Programme Number

- Press for a long time.
- ➤ The permanent programme number remains in the upper right corner of the screen when it was off, or disappears when it was on.



Clock

- Open the door of the remote control.
- o Press 🗐.
- The time, downloaded from the TV channel (with teletext) stored on programme number 1 or under the lowest favourite programme number, or entered manually in the Timers menu, appears in the upper left hand corner of the screen.

This is not possible when Continuous Subtitles have been switched on and is displayed on the bottom of the screen. See Teletext, p. 32.

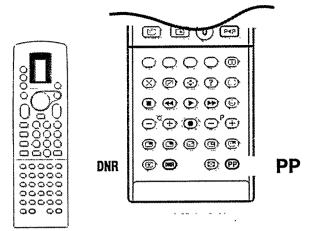
o Press @ again in order to switch off the clock.

Adjust Brightness

- Open the door of the remote control.
- Press 🌣 or + in order to adjust the brightness.

Freeze the picture

- Open the door of the remote control.
- o Press 🔽.
- ▶ The picture is frozen.
- Press v in order to get moving pictures again.



DNR

With DNR you can reduce the image noise and so improve picture quality when receiving weak signals.

- Open the door of the remote control.
- o Press DNR repeatedly to select DNR Min, DNR Med, DNR Max or DNR Off.

DNR Med offers you optimum picture quality and is the usual setting for normal strength signals .

DNR Max should only be used for poor picture quality.

▶ Your selection appears for a moment at the top of the screen.

The setting is stored in memory for the selected TV channel after the indication disappeared from the screen.

You can select the DNR setting for each channel separately.

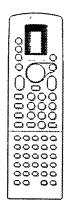
PP key

With the green **PP** key you can call up the picture and sound adjustments which have been stored with General PP Store in the Features menu, p. 20.

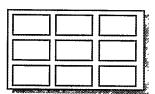
- Open the door of the remote control.
- o Press PP.

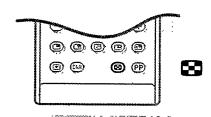
Mosaic screen

(for TV sets with the Picture in Picture option)









- Open the door of the remote control.
- o Press 🔂.
- A menu line MOSAIC appears on the bottom of the screen. It contains three functions: Scan, Photo Fin., Strobe.
- Select with the keys

 or

 the function you want to activate and press OK.

Scan

- ▶ A scan of the stored TV channels is performed, starting with the favourite programme stored under the lowest programme number.
 Only TV channels placed in the favourite list are displayed. On the last position, a live picture is shown of the programme that was displayed before the mosaic screen was switched on, except when you were watching a picture from a peripheral. In this case the picture of the following favourite TV channel appears in the last position.
- Press OK again.
- A following series of stored TV channels from the favourite list or programmes from switched on peripherals is scanned.
 Each mosaic picture will contain its identifying programme number and name.
- Select a TV channel with the digit keys.
- ▶ The mosaic screen disappears and the selected TV programme is displayed.
- Press to interrupt the scan function and to switch off the mosaic screen.
- Never perform a scan while recording a TV programme with a video recorder recording from **EXTERNAL** 1 or 2 since the scan will be recorded on tape.

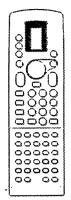
Photo Finish

- ➤ The main picture is displayed in successive frozen pictures. The last picture on the bottom right will remain live.
- Press OK again.
- A new photo finish picture is displayed, overwriting the old one.
- Press to switch off the photo finish function and the mosaic screen.

Strobe

- The picture is reproduced image by image. So you get an interrupted movement.
- Press OK again.
- ▶ The picture is reproduced image by image at a faster speed.
- Press to switch off the strobe function and to switch off the mosaic screen.

Pip - Picture in Picture

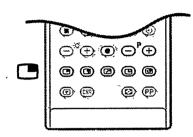


For TV sets with the Picture in Picture option.

With pip, Picture in Picture, you can call up a little screen within the main screen.

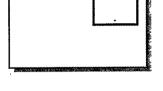
Thus at the same time you can watch a programme from other equipment, connected with a eurocable.

The picture in the small screen has no sound.



Switch pip on and off

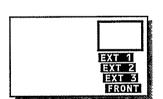
- Open the door of the remote control.
- Press .
- ▶ The pip screen appears and the picture is the same as in the main screen.
- ▶ The name of the pip programme appears briefly on the main screen.
- Press again to switch pip off.

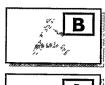


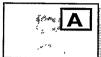
Select pip connections

- Press repeatedly.
- The name of the connections appears.
 If any other peripheral is connected and switched on, its programme appears in the pip screen.
- Select on your video recorder the TV channels which you have stored in it.

For connecting equipment to EXTERNAL 1, EXTERNAL 2, EXTERNAL 3 or FRONT, see Connect Peripheral Equipment, p. 35.





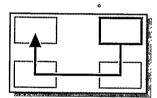


Switch screens

- o Press 🛂.
- ▶ The main screen and the pip screen exchange places.
 If the TV channel is only in the pip screen and not in the main screen, then use
 P + of the pip keys in order to change your TV channel in the pip screen.

Select Still Picture

- o Press 🖪.
- ► The picture in the pip screen stands still.
 Even when pip is not switched on, the main screen will appear as a still picture in the pip screen. In this way you make a snapshot of the main screen picture.
- Press again or select another channel in the pip screen in order to cancel the still picture.
- Press to switch pip off.



Move the pip screen

- o Press 🔠.
- Each time you press this key, the pip screen moves to another corner of the main screen.

If the main screen is a full expanded picture format, the pip screen only moves to the upper left hand corner of the main screen.

Teletext

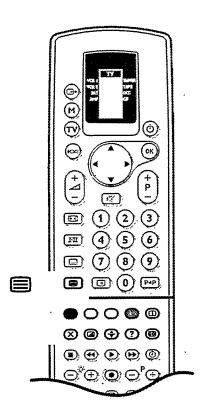
Most TV channels broadcast information via teletext. Each channel which broadcasts teletext transmits a page with information on how to use its teletext system. Look for the teletext page with the main index (usually page 100).

TV programmes are sometimes subtitled for the hard of hearing.

Depending on the TV channel, teletext is transmitted in different systems.

The system utilised can be recognised by the options line at the bottom of the screen.

The colours used in the options line correspond with the colour keys under the door of your remote control.



About the Easy Text system

The Easy Text system makes use of a memory with a high level of intelligence. By making maximum use of this intelligence it is possible that in most cases the selected page appears on the screen almost immediately. The only condition is that the teletext broadcast of the particular TV channel is switched on for at least half a minute.

The major advantages of this Easy Text system are:

A considerable **reduced waiting time** by predicting what you will probably select and which results in:

- a fast and direct selection of previous and following pages which are in transmission
- the precapturing of the page numbers referred to in the displayed page
- the direct selection of the pages referred to in the options line
- the creation of a habit watcher list: frequently used pages are put in a list
 of preferred pages so that they are immediately available afterwards.
 The pages are stored in the memory when switching off teletext or when
 switching to standby.

The precapturing of all the subpages to be controlled by the teletext user.

Switch Teletext on and off

- Select the TV channel for the desired teletext broadcast.
- Press in order to switch on the teletext.
 If teletext is switched on when a menu is on the screen, the menu will automatically be removed.
- ▶ The main index page appears on the screen together with two information lines at the top and one option line at the bottom of the screen.
- Press again in order to switch off teletext.
- ▶ The TV channel reappears.

Select a Teletext page

With the digit keys

- Enter the desired page number with the digit keys.
- The page counter seeks the page or the page appears immediately when the page number has been stored in the memory.
- A message appears when you have entered a non existent or an incorrect page number. Page numbers beginning with 0 or 9 do not exist.
- o Enter the correct page number.

Or With the option line

- Select with the colour keys, corresponding to the coloured options at the bottom of the screen and depending on the teletext system the selected TV channel transmits,
 - the previous ←
 or the following

 → pages
 - the 2 previously selected pages
 - another subject

Quickly run through the teletext pages

- o Press ▼ to run through the previous pages.
- Press ▲ to run through the following pages.

Select the previously selected teletext page

- Press the P◄P key.
- ▶ The previously selected teletext page is displayed.

Select subpages

When a selected teletext page consists of different subpages, one of the subpages appears on the screen.

The coloured number in the first information line refers to the displayed subpage.

The other subpages can be selected in 2 ways:

With the keys ◀ or ▶.

The other subpage numbers appear in white as soon as the transmission has found them and they are stored in the memory so that they are available while the teletext page is on screen.

Select with the keys

or

the previous or the following subpage.

or

By adding a subcode.

- Open the door of the remote control.
- o Press 🗐.
- Enter the desired subpage with the digit keys: e.g. 3 for the third page of seven subpages.
- ▶ The TV searches for the selected subpage.
- Press again in order to cancel the subcode.
- Press @ again.
- The information line with the available subpages appears.

Select the index teletext page

- Open the door of the remote control.
- Press the white colour key i.
- ▶ The main index, usually p. 100, appears.

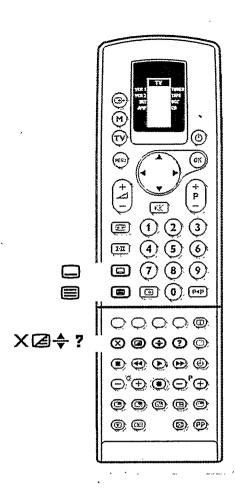
or o Press MENU.

► A T.O.P. overview of the teletext subjects available appears.

Not all TV channels broadcast the T.O.P. teletext.

When the teletext system is not T.O.P. teletext, a message appears at the top of the screen.

- Select with the keys ◀, ▶, ▲ or ▼ the desired subject and pagenumber.
- Press OK.
- The selected page appears.





TV channels which broadcast teletext often transmit certain programmes with subtitling. Sometimes more than one subtitle page is available. For each TV channel you can store a subtitle page which will be displayed continuously if the programme being broadcast is transmitted with subtitles.

- Press in order to switch on teletext.
- Select the proper subtitle page with the digit keys.
- ➤ The selected subtitle page appears and also the subtitles when the programme transmitted is subtitled.
- Press on the remote control.
- ▶ The message **Subtitle stored** appears.
- Press in order to switch off teletext.
- ▷ Every time a programme of the selected TV channel is subtitled, the subtitles will be available.
 - When there are no subtitles available, only is displayed on the bottom of the screen.
- Press
 on the remote control to switch the subtitles on or off.
- The message Subtitles ON or OFF appears.

For every TV channel the subtitle page should be stored separately with the key on the remote control.



- Press in order to switch on teletext.
- Open the door of the remote control.

Interrupt

- Press X.
- ▶ The TV programme appears.
- □ at the top of the screen indicates that you are still in the teletext mode.
 Before interrupting teletext, you can select a page number.
 The page number appears on your screen.
- Press X again.
- ▶ Teletext reappears.

Mix

- ∘ Press 🗷.
- The teletext page and the TV programme appear on the screen at the same time.
- ▶ Only the teletext page is displayed.

Enlarge

- Press $\stackrel{\clubsuit}{\Rightarrow}$ to enlarge the top half of the teletext page.
- Press the keys ▲ or ▼ to scroll the text line per line.
- Press again to enlarge the bottom half of the teletext page.
- Press once more to return to normal page size.

Reveal

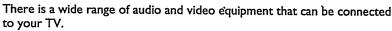
- Press ? to call up concealed information, such as solutions to riddles and puzzles.
- Press ? again in order to switch off the concealed information.





100 May 100 Ma

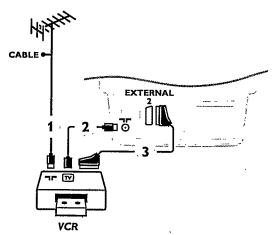
Connect Peripheral Equipment



The following connection diagrams show you where the different equipment should be connected at the back or the front side of the TV.

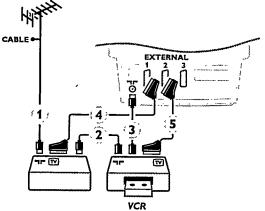


Connect the aerial cables (1) and (2) as shown opposite.
 Better picture quality can be obtained if you also connect a eurocable (3).



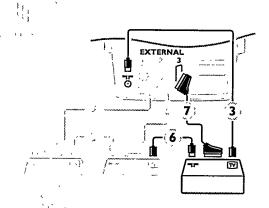
Search for and store the test signal of the video recorder

- Unplug the aerial cable 1 from the aerial socket T of your video recorder.
- Switch on your TV and put the video recorder on the test signal. (See the handbook for your video recorder.)
- Enter the Installation menu via the Main menu.
- Search for the test signal of your video recorder in the same way as you searched for and stored the TV signals. See Installation, Searching for and storing TV channels, Manual Installation, p. 7.
 Store the test signal either under programme number 0 or between 50 and 99.
- Replace the aerial cable in the aerial socket Tr of your video recorder once you have stored the test signal.



TV, video recorder and other peripherals (except CD-i/Photo CD)

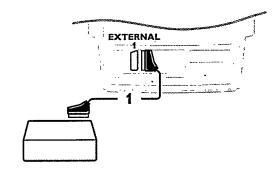
- o Connect the aerial cables (1), (2) and (3) as shown opposite. Better picture quality can be obtained if you also connect eurocable (5) to EXTERNAL 2 and a eurocable (4) to EXTERNAL 1 or 3.
- Look for the test signal of your peripheral in the same way as you do for a video recorder.

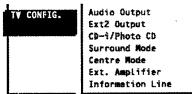


If you have more peripherals, they can also be connected to each other with an extra aerial cable **(6)** and an additional eurocable **(7)**.

When a video recorder is connected to **EXTERNAL 1** you can only record a programme from your TV.

Only when a video recorder is connected to EXTERNAL 2 it is possible to record a programme from your TV as well as from other connected equipment. See Record with your video recorder, p. 40.



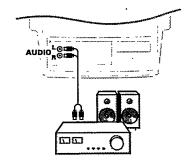


TV and a CD-i/Photo CD

- Connect eurocable (1) as shown opposite.
- Press MENU on the remote control.
- ► The MAIN MENU appears on the screen.
- Keep the key ▼ pressed and select INSTALLATION.
- ► INSTALLATION lights up.
- Press OK.
- ▶ The INSTALLATION menu appears.
- Select TV-Configuration with the keys ▼ or ▲ and press OK.
- ▶ The **TV-CONFIG.** menu appears.
- Select CD-i/Photo CD with the keys ▼ or ▲.
- ▶ CD-i/Photo CD lights up.
- Press the keys

 or

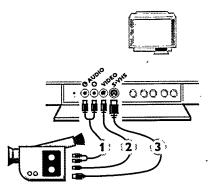
 to select Present.
- ▶ This offers you optimum picture quality for your CD-i or Photo CD.



Audio equipment

You can listen to your TV sound via your audio equipment.

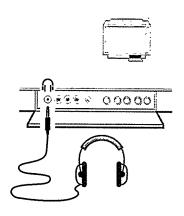
- Connect the audio cables to the audio input of your audio equipment and to AUDIO L and R at the back of your TV.
- Make your audio output selection in the TV Configuration menu.
 See p. 10.



Camera and camcorder

- Connect your camera or camcorder at the front side of your TV.
- Connect the equipment to VIDEO (2) and AUDIO L (1) for mono equipment.
- Also connect AUDIO R (1) for stereo equipment.

 S-VHS quality with a S-VHS camcorder is obtained by connecting the S-VHS cables with the S-VHS input (3) and AUDIO inputs (1).



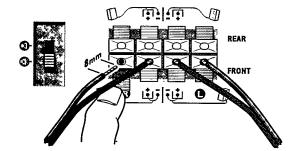
Headphone

- o Insert the plug into the headphone socket $\bigcap_{i \in I}$ at the front of the TV.
- Press on the remote control to switch off the internal loudspeakers of your TV.

The headphone socket has an impedance of between 8 and 4000 Ohm and is of the 3.5 mm jack type.

In the **SOUND** menu select **Headphone** to adjust the headphone volume and balance and to select the audio source for your headphone sound. See page 17.



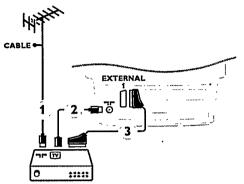


Extra loudspeakers

You can replace the left and right internal loudspeakers of your set by two extra loudspeakers, min. 8 Ohm.

- $\circ \;\;$ Connect the loudspeakers to the connector clips at the back of the TV.
- Push the connector clip down and insert the ends of the wires into the openings:
 - the negative wires to the black connector clips, the positive wires (the one with a black line) to the red connector clips.

 Do not insert the wires too far.
- Connect the front left loudspeaker to FRONT L and the front right loudspeaker to FRONT R.
- Put the loudspeaker switch on the back in the position.
- ▶ The internal right and left loudspeakers of your TV are now switched off.



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Decoder

Cable TV offers you a wide choice of programmes. Most of them are free, others are to be paid for by the viewer. This means that you will need to subscribe to the broadcasting organisation whose programmes you wish to receive. This organisation will supply you a corresponding decoder unit to allow the programmes to be unscrambled.

For further information, ask your dealer. See also the booklet supplied with your decoder.

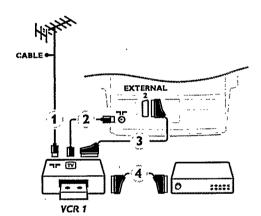
Connect a decoder with an aerial socket to the TV

o Connect the aerial cable (1) as shown alongside.

When your decoder has a euroconnector you can obtain better picture quality if you connect a eurocable (3) to EXTERNAL 1.

Connect a decoder without an aerial socket to the TV

• Connect the decoder to your TV with a eurocable (3) only.

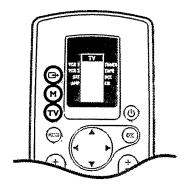


Connect the decoder to the video recorder

Some video recorders have a special euroconnector for decoder.

- Connect a eurocable 4 to the euroconnector of your decoder and to the special euroconnector of your video recorder.
 See also the handbook of your video recorder.
- To connect your video recorder to the TV, see p. 35.
 See Define Decoder/Descrambler prog. numbers as well, p. 12.

If you want to connect more equipment to your TV, consult your dealer.



Reproduce Picture and Sound of connected peripheral equipment

Most of the audio and video equipment from our range of products can be operated with the remote control of your TV.

Press ${\bf M}$ on the remote control repeatedly until the arrow in the display indicates the equipment you want to operate with this remote control.

To operate your TV again, first press the TV key and enter the programme number of the TV channel you want to watch with the digit keys.

- Reproduce picture and sound from equipment connected only with an aerial cable
- Switch your TV on.
- Select the programme number under which you have stored the test signal with the digit keys.
- Switch on your equipment.
 (See the handbook for your equipment.)
- ▶ The picture and/or sound is reproduced.

If you want to watch TV channels again.

- Enter the programme number of the TV channel which you want to watch with the digit keys.
- b. Reproduce picture and sound from equipment connected with a eurocable
- Switch your TV on.
- Switch on your equipment.
- ▶ Either the picture and/or the sound is reproduced or descrambled.

If this is not the case:

- Press repeatedly until the designation EXT1, EXT2, EXT3 or FRONT
 appears on the screen, according to where you connected your equipment at
 the back or the front of your TV.
- ▶ Either the picture and/or the sound is reproduced or descrambled.

If you want to watch TV channels again.

- Enter the programme number of the TV channel which you want to watch with the digit keys.
- Reproduce picture and sound from equipment connected to the front of the TV
- O Switch your TV on.
- Press repeatedly until the indication FRONT appears on the screen.
- Switch on your equipment.
- ▶ The picture is reproduced.

If you want to watch the TV picture again.

 Enter the programme number of the TV channel which you want to watch with the digit keys.

Record with a video recorder

If you have connected a S-VHS video recorder you can only record S-VHS-quality from a S-VHS peripheral connected to the front side of the TV. (E.g. from a S-VHS camcorder). In this case go on as follows:

- Press MENU.
- Select TV-Configuration in the INSTALLATION menu with the keys ▲ or ▼ and press OK.
- Select Ext2 Output with the keys ▲ or ▼.
- Select S-VHS Quality with the keys ✓ or ▶.

In all other cases, whether you record with a VHS or S-VHS video recorder, select VHS Quality.

• Keep MENU pressed for a short while to switch off each menu.

1. Record a TV programme

- only using an aerial cable
- Select the programme number on your video recorder.
- Set your video recorder to record.
 (See the handbook for your video recorder.)
- using a eurocable connected to the euroconnector EXTERNAL 2

With a video recorder connected to EXTERNAL 2 it is possible to record a programme from your TV as well as from other connected equipment.

- Select the programme number on the TV.
- Press MENU.
- Select FEATURES with the keys ▼ or ▲ and press OK.
- Select Recording Source with the keys ▼ or ▲.
- Press or ▶ to select the source you want to record : Auto. or TV.
- Select Auto. if you want to record what you are watching on the screen.
- Select TV when you want to record a programme from a TV channel while you
 are watching a programme from connected equipment (2nd VCR, CD-i,...).
- o Press MENU twice.
- ▶ The FEATURES menu and the MAIN MENU disappear.
- Set your video recorder to record.
 (See the handbook for your video recorder.)
- using a eurocable connected to the euroconnector EXTERNAL 1

With a video recorder connected to EXTERNAL 1 you can only record a programme from your TV.

- Select the programme number on the TV.
- Set your video recorder to record.
 (See the handbook for your video recorder.)
- 2. Record a programme from Audio/Video equipment connected to EXTERNAL 1, EXTERNAL 3 or FRONT
- Switch on the equipment.
- o Press MENU.
- Select FEATURES with the keys ▼ or ▲ and press OK.
- Select Recording Source with the keys ▼ or ▲.
- Select the connection EXT1, EXT3 or FRONT from which you want to record with the keys ◀ or ▶.
- Press MENU twice.
- ▶ The FEATURES menu and the MAIN MENU disappear.
- Set your video recorder to record.
 (See the handbook for your video recorder.)



FEATURES

V CONFIG.

Audio Outout

Ext2 Output

CD-i/Photo CD

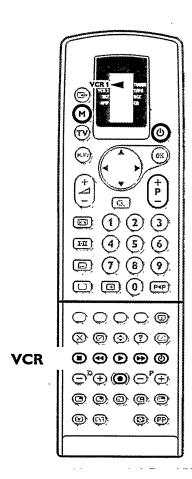
Surround Mode

Ext. Amplifier
Information Line

Centre Mode

Sleeptimer Child Lock General PP store Message Timers Recording Source

Operate the video recorder with the TV remote control



Most of the audio and video equipment from our range of products can be operated with the remote control of the TV.

- Press repeatedly on the M key of the remote control until the designation VCR1 or VCR2 is indicated by the arrow and according to which connected video recorder you want to operate.
- o Press one of the video recorder keys of the remote control:
 - for stop
 - ◀◀ for rewind
 - ▶ for play
 - ▶► for wind
 - (4) for timer
 - for record

 $\begin{pmatrix} \mathbf{r} \\ \mathbf{P} \end{pmatrix}$ to run quickly through the TV channels from your video recorder tuner

The digit keys to select TV channels from your video recorder tuner

The standby key 1 to switch off the video recorder temporarily.

Tips

Care of the screen

Clean the TV with a slightly damp soft cloth. Do not use abrasive solvent as it can damage the TV screen coating layer.

Poor Picture

Have you selected the correct TV system? Is your TV set or house aerial located too close to loudspeakers, non-earthed audio equipment or neon lights, etc.? Mountains or high buildings can cause double pictures or ghost images. Sometimes you can improve the picture quality by changing the direction of the outside aerial.

Is the picture or teletext unrecognisable? Check if you have entered the correct frequency. See Installation, p. 8. Are brightness and contrast out of adjustment? Press the **PP** key. Switch off your TV overnight with ① on the front of the TV.

Sometimes poor picture quality is possible when having activated a S-VHS camera or camcorder connected to the front of your TV and another peripheral is connected to EXT1 or EXT2 at the same time. In this case switch off one of the other peripherals.

No picture

Is the aerial connected properly? Are the plugs tightly connected in the aerial socket? Is the aerial cable in good condition and does it have suitable plugs? Are the connection facilities to a possible second TV in good condition? If in doubt, consult your dealer.

No picture means that the aerial peripheral equipment is transmitting no picture. Have you pressed the correct keys on the remote control? Try once more. Did you press again after switching on teletext?

Has the child lock been switched off? See Features, p. 20.

Sound

Did you perhaps interrupt the sound with the Key? Were the internal loudspeakers switched off by the switch on the back of your TV set? See Extra loudspeakers, p. 37. Is the sound coming out of only one loudspeaker? Is the balance perhaps set to one extreme? See SOUND menu, p. 16.

Select **Spatial On** in the Sound menu if there is no sound coming out of the extra loudspeakers at the back. See Spatial, p. 17.

Remote control

If your TV no longer responds to the remote control. Check whether the remote control is in the TV operation position. Press the TV key once more. Perhaps the batteries are exhausted. See Preparation, p. 4.

You can still use the Local Menu keys at the front of your TV.

Menu

Have you selected the wrong menu? Press **MENU** again to exit from the menu.

Connections

Check whether your peripheral equipment is properly connected. See p. 35. Have you switched on the peripheral equipment?

No solution

Switch your TV set off and then on again. Never attempt to repare a defective TV yourself.

Check with your dealer or call a TV technician when in doubt.

End of life directives

Your new TV contains materials which can be recycled and reused. At the end of life specialised companies can dismantle the discarded TV to concentrate the reusable materials and to minimise the amount of materials to be disposed of. Please ensure you dispose of your old TV set in accordance with any local regulations.

How to dispose of exhausted batteries?

The Philips batteries supplied do not contain the heavy metals mercury and cadmium. Nevertheless in many countries exhausted batteries may not be disposed of with your household waste. Please ensure you dispose of exhausted batteries according to local regulations.

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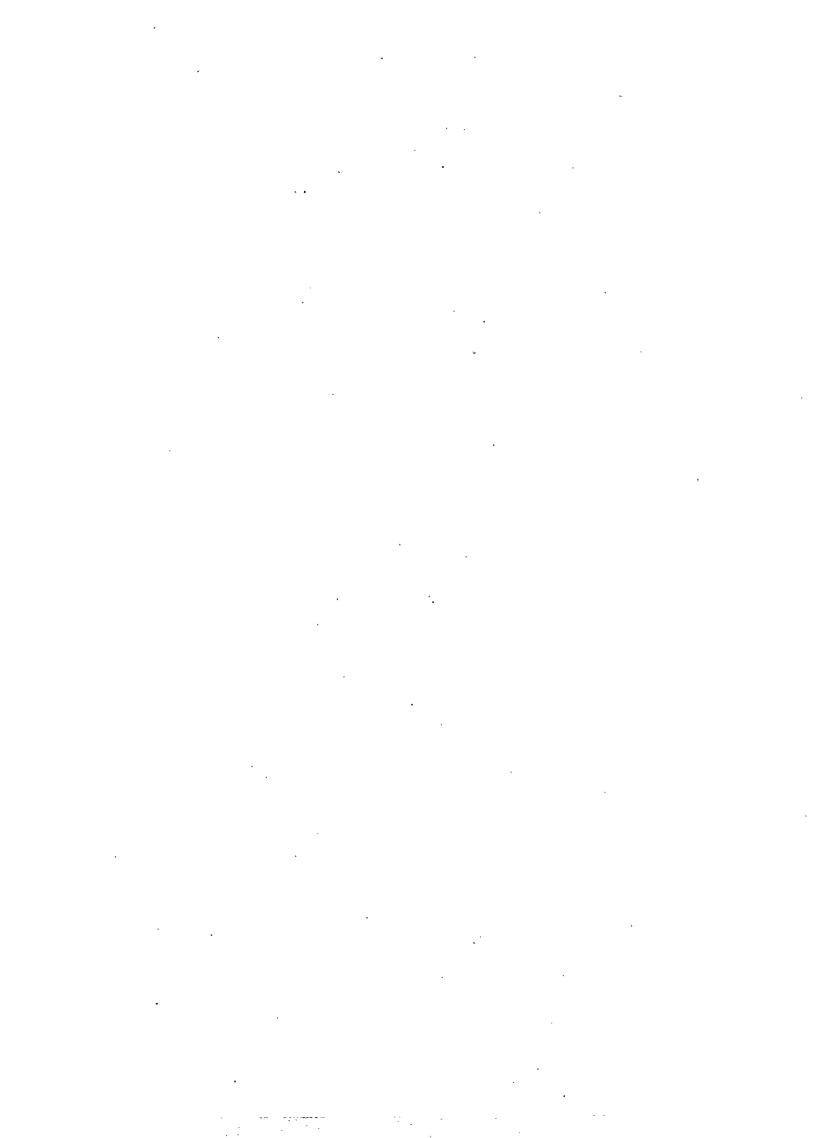


Table of TV frequencies.
Frequenztabelle der Fernsehsender.
Liste des fréquences des émetteurs.
Frequentietabel TV-Zenders.
Tabella delle frequenze delle trasmittenti.
Lista de las frecuencias de las emisoras.
Lista das frequências dos emissores.
Liste over TV senderne.
Tabell over TV-frekvenser.

Tabell över TV-frekvenser. TV-taajuustaulukko. Κατάλογος συχνοτήτων πομπών.

EUROPE CHANNEL.....FREQ (MHz) ...55.25 182.25 189 25 .196.25 .203.25 .210.25 .105.25 112,25 .126.25 133.25 147.25168,25 231.25 .252.25 .259.25 ..266.25 ..273.25 .280.25 .287.25 .294.25 .327,25 335 25 351.25 ..375,25 .383.25 .407.25 431.25 495.25 503.25 527.25 551.25 559 25 .575.25 583.25 599.25 .623.25 631,25 .655.25 .679.25 .703.25 727.25 735.25 743.25 .759.25 .767.25 .783.25 791.25 .807.25 815.25 .831.25 .839.25

er.	
EASTERN EUROPE	
CANALFREQ (MH: R149.75	2)
R259.25	
R377.25 R485.25	
R593.25 R 6175.25	
R 7183.25	
R 8191,25 R 9199,25	
R10207.25 R11215.25	
R12223.25	
S1105.25 S2112.25	
S3119.25 S4126.25	
\$5133.25 \$6140.25	
\$7147.25	
S8154.25 S9161.25	
S10168.25 S11231.25	
S12238.25 S13245.25	
\$14252.25	
\$15259.25 \$16266.25	
S17273.25 S18280.25	
S19287.25	
\$20294.25 H1303.25	
H2311.25 H3319.25	
H4327.25 H5335.25	
H7351.25 H8359.25	-
no	
H10375.25 H11383.25	
H12391.25 H13399.25	
H14407.25 H15415.25	
H16423.25	
H18439.25	
H19447.25 21471,25	
22479.25 23487.25	
24495.25	
25503.25 26511.25	
27519.25 28527.25	
29535.25 30543.25	
31551.25	
32559.25 33567.25	
34575.25 35583,25	-
36591.25 37599.25	
38607.25	
39615.25 40623.25	,
41631.25 42639.25	***************************************
43647.25	*
44655.25 45683.25	-
46671.25 47679.25	-
48687.25 49695.25	
50703.25	
51711.25 52719.25	
53727.25 54735.25	
55743.25 56751.25	
57759.25	
58767.25 59775.25	
60783.25 61791.25	
62799.25	-
63807.25 64815.25	
65823.25 66831.25	, i
67839.25 68839.25	***************************************

,
FRANCE
CANALFREQ (MHz
255.75 360.50
4
6184.0 7192.0
8200.0
9208.0 10216.0
B116.75 C128.75 D140.75
D140.75 E159.75
F164.75 G176.75
H188.75
J212.75
K224.75 L236.75
M248.75 N260.75
O272,75 P284,75
O296.75 H1303.25
H2311.25 H3319.25
H4327.25
H5335.25 H6343.25
H7351.25 H8359.25
H9367.25 H10375.25
H11383.25
H12391.25 H13399.25
H14407.25 H15415.25
H16423.25 H17431.25
H18439.25 ·
21471.25
21
24495.25 25503.25
26511.25 27519.25
28527.25 29535.25
30543.25
31551,25 32559.25
33:567,25 34575.25
35583.25 36591.25
37599.25 38607.25
39615.25
40
42639.25 43647.25
44655.25 45663.25
46
48
49695.25 50703.25
51711,25 52719.25
53727.25 54735.25
55,743.25 56751.25
42
58
60783.25 61791.25
62799.25 63807.25
64815.25 65823.25
66831.25 67839.25
68839.25
69855.25

·
ITALY
CANALEFREQ (MI
882.25 C82.25
D175.25 E183.75
E183.75 F192.25 G201.25 H210.25
H1217.25
\$1105.25 \$2112.25 \$3119.25
S4126.25 S5133.25
\$6140.25 \$7147.25
\$8154.25 \$9161.25
S10168.25 S11231.25
\$12238.25 \$13245.25
\$14252.25 \$15259.25
\$16266.25 \$17273.25
\$18280.25 \$19287.25
S20294.25 H1303.25
H2311.25 H3319.25
H4327.25 H5335.25
H6343,25
H8359.25 H9367.25
H10375.25 H11383.25
H12391.25 H13399.25
H14407.25 H15415.25
H16423.25 H17431.25
H18439.25
21
23
25503.25 26511.25 27519.25
28527.25 29535.25
30543.25 31551.25
32
34575.25 35583.25
36591.25 37599.25
38607.25 39615.25
40623.25 41631.25
42
44655.25 45663.25
46671.25 47679.25
48687.25 49695.25
50,703,25 51,711,25
52719.25 53727.25
54735.25 55743.25
58751.25 57759.25
58767.25 59775.25
60783.25 61791.25
62799.25 63807.25
64815.25 65823.25
66831.25 67839.25
68839.25

GB

The frequencies used by a cable company may differ from the frequencies on the table. Consult your cable company or your dealer for detailed information.

D

In Kabelfemsehanlagen können Abweichungen von den in den Frequenztabellen aufgeführten Frequenzen vorkommen. Bitte wenden Sie sich an Ihren Fachhändler oder Ihre Kabelfemsehgesellschaft, die Ihnen die zutreffenden Frequenzen mitteilt.

F

Les fréquences utilisées par une société de télédistribution peuvent être différentes de celles sur la liste des fréquences. Consultez votre société de télédistribution ou votre revendeur pour des informations plus détailées.

NL

De frequenties die gebruikt worden door een kabelmaatschappij kunnen verschillen van deze op de tabel. Raadpleeg uw kabelexploitant of uw handelaar voor meer informatie.

1

Le frequenze usate per una società di teledistribuzione possano essere differenti di quelle nella tabella. Consultate la società di teledistribuzione o il vostro rivenditore per informazione specifica.

Е

Las frecuencias utilizadas por las empresas de distribución de señal por cable, pueden ser diferentes de las que se encuentran en esta tabla. Consulte con su compañía de distribución de televisión por cable o con su distribuidor para que le proporcionen una información más detallada.

P

As frequências utilizadas por uma sociedade de teledistribuição podem ser diferentes das indicadas na lista de frequências. Consultar a sociedade de teledistribuição ou o vendedor para informações mais detalhadas.

DK

Frekvenser benyttet af kabel operatører kan være afvigende fra disse, kantakt deres kabel operatør eller forhandler for næmere informa-tion.

N

Frekvensene som benyttes pa et kabelnett kan avvike fra de som er oppfört i tabellen. Kontakt ditt kabel-TV selskap eller din forhandler for næmere opplysninger.

S

Frekvenserna som används i kabel-TV-näten kan avvika fran frekvenserna i tabellen. Kontakta ditt kabel-TV-bolag eller din radiohandlare för vidare information.

SF

Kaapeliyhtiöden käyttämät taajuudet voivat poiketa taulukossa olevista taajuuksista. Tarkat tiedot saat kaapeliyhtiösta tai myyjältä.

GF

Οι συχνότητες που χρησιμοποιούνται από μια επαιρεία πηλεμεπόδοσης είναι δυναπόν να είναι διαφορετικές από αυτές που περιέχει ο κιπάλογος (Συμβουλευθείτε την επαιρεία πηλεμεπόδοσης ή τον ποιλητή για λεπτομερέστατρες πληροφορίες).

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